

Certificate of Analysis

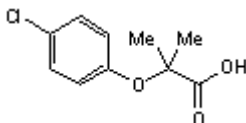
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Product Name: Clofibric acid
CAS Number: 882-09-7
IUPAC Name: 2-(4-Chlorophenoxy)-2-methylpropanoic acid

Catalog No.: 0825
Batch No.: 2
EC Number: 212-925-9

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₀H₁₁ClO₃
Batch Molecular Weight: 214.65
Physical Appearance: White crystalline solid
Solubility: ethanol to 50 mM
1eq. NaOH to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.59 (Dichloromethane:Methanol [10:1])
Melting Point: At 124°C
¹H NMR: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	55.96	5.17	0
Found	56.04	5.2	0

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

Product Information

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Description:

PPAR agonist. Antihyperlipoproteinemic.

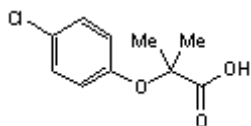
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Storage: Store at RT

Solubility & Usage Info:

ethanol to 50 mM

1eq. NaOH to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Merck Index **12** 2437.

Shepherd (1993) Mechanism of action of fibrates. *Postgrad.Med.J.* **69** S34. PMID: 8497455.

Forman et al (1997) Hypolipidemic drugs, polyunsaturated fatty acids, and eicosanoids are ligands for peroxisome proliferator-activated receptors α and δ . *Proc.Natl.Acad.Sci.U.S.A.* **94** 4312. PMID: 9113986.

Bishop-Bailey (2000) Peroxisome proliferator-activated receptors in the cardiovascular system. *Br.J.Pharmacol.* **129** 823. PMID: 10696077.

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